

WHAT IS CLAIMED IS:

1. A hydroaccumulator, comprising:  
an accumulator housing;  
a separating element located in and dividing said accumulator housing into a gas chamber and a fluid chamber;  
a gas refilling chamber formed by at least one additional housing part connected with and forming a unit with the accumulator housing; and  
at least one connecting opening in said accumulator housing connecting said gas refilling chamber to said gas chamber.
2. A hydroaccumulator according to claim 1 wherein  
said accumulator housing comprises first and second housing parts.
3. A hydroaccumulator according to claim 1 wherein  
said separating element is a separating membrane.
4. A hydroaccumulator according to claim 2 wherein  
said additional housing part is on an outer peripheral side of said first housing part of said accumulator housing defining said gas chamber.
5. A hydroaccumulator according to claim 2 wherein  
said second housing part defines said fluid chamber, and comprises a shoulder on a free edge facing said first housing part on which a free end of said additional housing is seated.
6. A hydroaccumulator according to claim 2 wherein  
said first, second and additional housing parts are connected to one another at free ends thereof by a common connecting point.
7. A hydroaccumulator according to claim 6 wherein  
said common connecting point is a weld.
8. A hydroaccumulator according to claim 6 wherein  
said separating element is a separating membrane of elastomeric material held by a mounting ring leaving said connecting point free on an inner peripheral side of said accumulator housing.
9. A hydroaccumulator according to claim 6 wherein  
said first housing defines said gas chamber and comprises a step-shaped shoulder on said free end thereof covering said connecting point.

10. A hydroaccumulator according to claim 1 wherein said additional housing part comprises a volume approximately twice a volume of said gas side of said accumulator housing.
11. A hydroaccumulator according to claim 2 wherein said additional housing part has a wall thickness approximate one-half as thick as the wall thickness of said first and second housing parts.
12. A hydroaccumulator according to claim 2 wherein said additional housing part has a wall thickness substantially less than wall thickness of said first and second housing parts.
13. A hydroaccumulator according to claim 1 wherein said accumulator housing comprises a fluid connection; and said separating element comprises a connection part for closing said fluid connection.
14. A hydroaccumulator according to claim 2 wherein said first, second and additional housing parts are substantially cylindrical in an area of connection thereof, and comprise at least partially arched termination sides on ends thereof remote from said connection.